INT. J. REMOTE SENSING, 1996, VOL. 17, NO. 18, 3767–3784

Index of Authors (with the titles of papers)

ABDEL NABIE, S. H., *see* Hussein, H. A.
ABDEL-KADER, A. F., *see* El-Raey, M.
ACTON, S. T.: On unsupervised segmentation of remotely sensed imagery using nonlinear regression, 1407
ADINARAYANA, J. and RAMA KRISHNA, N.: Integration of multi-seasonal remotely-sensed images for improved landuse classification of a hilly watershed using geographical information systems, 1679
AGARWAL, B., *see* Saraf, A. K.
AGARWAL, V. K., *see* Mathur, A. K.
AHEARN, S. C. and DE ROOY, C.: Monitoring the effects of *Dracunculiasis* remediation on agricultural productivity using satellite data, 917
AKDENIZ, F., *see* Erol, H.
ALBERTI, G., ESPOSITO, S. and PONTE, S.: Cover. Three-dimensional digital elevation model of Mt Vesuvius from NASA/JPL TOPSAR, 1797
ALCAYDE, D., *see* Zagolski, F.
AL-GARNI, A. M.: A system with predictive least-squares mathematical models for monitoring wildlife conservation sites using GIS and remotely-sensed data, 2479
ALI, M. M., *see* Sharma, R.
ALOUI, B., *see* Courault, D.
ALPARONE, L., BARONTI, S., CARLÀ, R. and PUGLISI, C.: An adaptive order-statistics filter for SAR images, 1357
ALPERS, W., *see* Hühnerfuss, H.
AL SAIFI, M. M. and QARI, M. Y. H. T.: Application of Landsat Thematic Mapper data in sabkha studies at the Red Sea coast, 527
ALVES, D. S. and SKOLE, D. L.: Characterizing land cover dynamics using multi-temporal imagery, 835
ANDERSEN, H. S.: Estimation of precipitable water vapour from NOAA–AVHRR data during the Hapex Sahel experiment, 2783
ANDERSON, J. M., *see* Ferrier, G.
ANDRIEU, B., *see* Price, J. C.
ANJI REDDY, M. and REDDY, K. M.: Performance analysis of IRS-bands for land use/land cover classification system using Maximum Likelihood Classifier, 2505
ANTHIS, A. I., HAYES, L. W. B., VAUGHAN, R. A. and CRACKNELL, A. P.: Classification of cloud complexity in severe weather conditions over the Ionian sea and the south-east Dodecanese using Meteosat data, 2857
ANTONELLI, G., *see* Borzelli, G.
ANYAMBA, A. and EASTMAN, J. R.: Interannual variability of NDVI over Africa and its relation to El Niño/ Southern Oscillation, 2533
ARAI, K., *see* Wakabayashi, H.
ARBELO, M., HERRERA, F., EXPOSITO, F. J., CASELLES, V. and COLL, C.: Determination of sea surface temperature using combined TOVS and AVHRR data. Application to the Canary Islands area, Spain, 359
ARENZ, JR, R. F., LEWIS, JR, W. M. and SAUNDERS, III, J. F.: Determination of chlorophyll and dissolved organic carbon from reflectance data for Colorado reservoirs, 1547
ARINO, O., *see* Bizzi, S.
ARMSTRONG, R., *see* Tait, A.
ARNOLD, J. F., *see* Roger, R. E.
ASKNE, J., *see* Pettersson, M. I.
ATKINSON, P. M., DUNN, R. and HARRISON, A. R.: Measurement error in reflectance data and its implications for regularizing the variogram, 3735

AVENA, G. C., *see* Ricotta, C.
AZZALI, S., *see* Verhoef, W.

BABIN, M., MOREL, A. and GENTILI, B.: Remote sensing of sea surface Sun-induced chlorophyll fluorescence: consequences of natural variations in the optical characteristics of phytoplankton and the quantum yield of chlorophyll *a* fluorescence, 2417
BAMBER, J. L., MANSLEY, J. A. D. and WINGHAM, D. J.: Global land surface topography derived from the geodetic phase of ERS-1, 3089
BANNARI, A., HUETE, A. R., MORIN, D. and ZAGOLSKI, F.: Effets de la couleur et de la brillance du sol sur les indices de végétation, 1885
BANNEHR, L., ROHN, M. and WARNECKE, G.: A functional analytic method to derive displacement vector fields from satellite image sequences, 383
BANON, G. J. F., *see* Mascarenhas, N. D. A.
BANSE, K., *see* English, D. C.
BARBOSA, P. M., CASTERAD, M. A. and HERRERO, J.: Performance of several Landsat 5 Thematic Mapper (TM) image classification methods for crop extent estimates in an irrigation district, 3665
BARDHAN ROY, B. K., *see* Sudhakar, S.
BARET, F., *see* Cierniewski, J.
BARNIER, B., *see* Boutin, J.
BARONTI, S., *see* Alparone, L.
BEAUCHEMIN, M., THOMSON, K. P. B. and EDWARDS, G.: Edge detection and speckle adaptive filtering for SAR images based on a second-order textural measure, 1751
BEAUCHEMIN, M., THOMSON, K. P. B. and EDWARDS, G.: Optimization of the Gamma-Gamma MAP filter for SAR image clutters, 1063
BECKER, F., *see* Sobrino, J. A.
BÉGUÉ, A., *see* Ouaidrari, H.
BEHERA, G., *see* Kushwaha, S. P. S.
BEN-DOR, E. and KRUSE, F. A.: Detection of atmospheric gases using GER 63 channel scanner data acquired over Makhtesh Ramon, Negev, Israel, 1215
BENNETT, B. A., *see* Taylor, G. R.
BERGER, F. H.: Cover. A SPIRAL cloud over the North Sea, 3323
BERTHOD, M., *see* Mathieu-Marni, S.
BHANDARI, S. M. and PRAKASH, W. J.: Cover. Sunglint in INSAT-VHRR images, 1275
BHATTACHARYA, A. K., *see* Chatterjee, R. S.
BIGING, G. S., *see* San Miguel-Ayanz, J.
BILLOW, C. R., *see* Johnson, L. F.
BIZZI, S., ARINO, O. and GORYL, P.: Operational algorithm to correct the along track and across track striping in the JERS-1 OPS images, 1963
BLAMIRE, P. A.: The influence of relative sample size in training artificial neural networks, 223
BORZELLI, G., CIAPPA, A., ULIVIERI, C., ANTONELLI, G. and LANEVE, G.: A new perspective on oil slick detection from space by NOAA satellites, 1279
BOTTAI, L., *see* Maselli, F.
BOUFFIÈS, S. and BRÉON, F.-M.: A multi-year composite of GVI data as a clear reflectance database, 1711
BOURGEAU-CHAVEZ, L. L., *see* French, N. H. F.
BOUTIN, J., SIEFRIDT, L., ETCHETO, J. and BARNIER, B.: Comparison of ECMWF and satellite ocean wind speeds from 1985 to 1992, 2897
BOWERS, D. G., HARKER, G. E. L. and STEPHAN, B.: Absorption spectra of inorganic particles in the Irish Sea and their relevance to remote sensing of chlorophyll, 2449
BOYD, D. S., *see* Foody, G. M.
BOYD, D. S., FOODY, G. M., CURRAN, P. J., LUCAS, R. M. and HONZAK, M.: An assessment of radiance in Landsat TM middle and thermal infrared wavebands for the detection of tropical forest regeneration, 249
BRÉON, F.-M., *see* Bouffiès, S.
BRIVIO, P. A., *see* Swamy, A. N.
BRONSVELD, M. C., *see* Folly, A.

BROOKS, A. R., *see* Crawford, P. S.
BROWN, J., *see* Bryant, R.
BROWN, L. J., *see* Dymond, J. R.
BRUSH, R. J. H., *see* Crawford, P. S.
BRYANT, R. G.: Validated linear mixture modelling of Landsat TM data for mapping evaporite minerals on a playa surface: methods and applications, 315
BRYANT, R., TYLER, A., GILVEAR, D., MCDONALD, P., TEASDALE, I., BROWN, J. and FERRIER, G.: A preliminary investigation into the spectral characteristics of inter-tidal estuarine sediments, 405
BUFTON, J. L., *see* Vaughn, C. R.
BUKATA, R. P., *see* Jerome, J. H.
BUSHARA, M. N.: Neogene geologic structures using enhanced Thematic Mapper over eastern Zagros Mountains, 303

CALLE, A., *see* Gonzalez-Alonso, F.
CALLE, A., *see* Illera, P.
CAMPBELL, N. A.: The decorrelation stretch transformation, 1939
CANDEIAS, A. L. B., *see* Mascarenhas, N. D. A.
CANTON, M., *see* Ramos, A. G.
CARLÀ, R., *see* Alparone, L.
CARLTON, R. W., *see* Denniss, A. M.
CARR, J. R., *see* Miranda, F. P.
CARTALIS, C. and RETALIS, A.: Exploring the need to revise atmospheric correction algorithms of satellite sensor images for the area of Greece, 3083
CASANOVA, J. L., *see* Gonzalez-Alonso, F.
CASELLES, V., *see* Arbelo, M.
CASELLES, V., *see* Hurtado, E.
CASTERAD, A., *see* Lobo, A.
CASTERAD, M. A., *see* Barbosa, P. M.
CAVALIERI, D. J., *see* Pettersson, M. I.
CECCATO, P., *see* Flasse, S. P.
CHAMPION, I.: Simple modelling of radar backscattering coefficient over a bare soil: variation with incidence angle, frequency and polarization, 783
CHAMPION, I. and FAIVRE, R.: The field row direction relative to the radar azimuth considered as an apparent surface roughness for smooth bare soils, 3305
CHANDICA, A. L., *see* Dale, P. E. R.
CHARLAND, S.-D., *see* Leblon, B.
CHARLTON, J. E., *see* Tatnall, A. R. L.
CHATTERJEE, R. S., ROY, J. and BHATTACHARYA, A. K.: Mapping geological features of the Jharia coalfield from Landsat-5 TM data, 3257
CHAUHAN, N. S., *see* O'Neill, P. E.
CHELLAMUTHU, V., *see* Porwal, M. C.
CHEN, A. J., *see* Liu, C. H.
CHEN, F.: The numerical calculation of two-dimensional rough surface scattering by the conjugate gradient method, 801
CHEN, G. and EZRATY, R.: Alias impacts on the recovery of sea level amplitude and energy from altimeter measurements, 3567
CHEN, J., *see* Nagaraji Rao, C. R.
CHENNAIAH, G. Ch., *see* Kushwaha, S. P. S
CHIARI, R., *see* Ferrari, M. C.
CHIC, O., *see* Lobo, A.
CHOE, N. J., *see* Hutchison, K. D.
CHOPRA, R., *see* Sharma, P. K.
CHOROWICZ, J., *see* Emran, A.
CHOROWICZ, J., *see* Ichoku, C.
CIAPPA, A., *see* Borzelli, G.

CIERNIEWSKI, J., BARET, F., VERBRUGGHE, M., HANOCQ, J. F. and JACQUEMOUD, S.: Geometrical modelling of soil bidirectional reflectance incorporating specular effects, 3691
CLASTRE, P., *see* Courault, D.
CLAVAUX, M., *see* Folly, A.
CLOUTIS, E. A.: Review Article. Hyperspectral geological remote sensing: evaluation of analytical techniques, 2215
CLOUTIS, E. A., CONNERY, D. R., MAJOR, D. J. and DOVER, F. J.: Agricultural crop condition monitoring using airborne C-band synthetic aperture radar in southern Alberta, 2565
CLOUTIS, E. A., CONNERY, D. R., MAJOR, D. J. and DOVER, F. J.: Airborne multi-spectral monitoring of agricultural crop status: effect of time of year, crop type and crop condition parameter, 2579
COL, B. and MOUCHOT, M. C.: The influence of spatial resolution enhancement applied to SSM/I data on pattern recognition, 3121
COLL, C., *see* Arbelo, M.
COMBAL, B., *see* Wigneron, J.-P.
CONESE, C., *see* Maselli, F.
CONNERY, D. R., *see* Cloutis, E. A.
CONWAY, J., EVA, H. and D'SOUZA, G.: Comparison of the detection of deforested areas using the ERS-1 ATSR and the NOAA-11 AVHRR with reference to ERS-1 SAR data: a case study in the Brazilian Amazon, 3419
COOPER, A. P. R. and HINTON, J. C.: Correction of satellite radar altimeter data on ice-covered surfaces in Antarctica using an integrated Geographical Information System, 1367
COOPS, N. C. and WALKER, P. A.: The use of the Gower metric statistic to compare temporal profiles from AVHRR data: a forestry and agriculture application, 3531
COURAULT, D., ALOUI, B., LAGOUARDE, J.-P., CLASTRE, P., NICOLAS, H. and WALTER, C.: Airborne thermal data for evaluating the spatial distribution of actual evapotranspiration over a watershed in oceanic climatic conditions—application of semi-empirical models, 2281
CRACKNELL, A. P., *see* Anthis, A. I.
CRACKNELL, A. P. and SARADJIAN, M. R.: Monitoring of straw burning in the U.K. using AVHRR data—Summer 1995, 2463
CRACKNELL, A. P., *see* Varotsos, C. A.
CRACKNELL, A. P. and XUE, Y.: Dynamic aspects study of surface temperature from remotely-sensed data using advanced thermal inertia model, 2517
CRACKNELL, A. P. and XUE, Y.: Estimation of ground heat flux using AVHRR data and an advanced thermal inertia model (SoA-TI model), 637
CRACKNELL, A. P. and XUE, Y.: Review Article. Thermal inertia determination from space—a tutorial review, 431
CRAWFORD, P. S., BROOKS, A. R. and BRUSH, R. J. H.: Fast navigation of AVHRR images using complex orbital methods, 197
CUEVAS, J. M., *see* Gonzalez-Alonso, F.
CURRAN, P. J., *see* Boyd, D. S.
CURRAN, P. J., *see* Foody, G. M.
CURRAN, P. J., *see* Pinar, A.
CURRAN, P. J., *see* Smith, G. M.

DADHWAL, V. K., PARIHAR, J. S., MEDHAVY, T. T., RUHAL, D. S., JARWAL, S. D. and KHERA, A. P.: Comparative performance of thematic mapper middle-infrared bands in crop discrimination, 1727
DALE, P. E. R., CHANDICA, A. L. and EVANS, M.: Using image subtraction and classification to evaluate change in sub-tropical intertidal wetlands, 703
DALE, V. H., *see* Frohn, R. C.
DANNHAUER, H., *see* Hühnerfuss, H.
DAS, J. D., *see* Saraf, A. K.
DAS, J. D., SARAF, A. K. and JAIN, A. K.: Cover. A satellite picture reveals seismically potential tectonic structures in north-east India, 1433
DAVIES, P. A., *see* Ferrier, G.

DECKER, W. L., *see* Hayes, M. J.
DEFRIES, R., *see* Hansen, M.
DELGADO, J. A., *see* Illera, P.
DENNISS, A. M., HARRIS, A. J. L., CARLTON, R. W., FRANCIS, P. W. and ROTHERY, D. A.: Cover. The 1993 Lascar pyroclastic flow imaged by JERS-1, 1975
DE ROOY, C., *see* Ahearn, S. C.
DE SÈVE, D., TOUTIN TH. and DESJARDINS, R.: Évaluation de deux méthodes de correction géométrique d'images Landsat TM et ERS-1 RAS dans une étude de linéaments géologiques, 131
DESJARDINS, R., *see* De Sève, D.
DEVEREUX, B. J., *see* Mattikalli, N. M.
D'HERBES, J. M., *see* Ouaidrari, H.
DIAZ, R., *see* Kerdiles, H.
DIKSHIT, O.: Textural classification for ecological research using ATM images, 887
DIMYATI, M., MIZUNO, K., KOBAYASHI, S. and KITAMURA, T.: An analysis of land use/cover change using the combination of MSS Landsat and land use map—a case study in Yogyakarta, Indonesia, 931
DONG, Y. and FORSTER, B.: Understanding of partial polarization in polarimetric SAR data, 2467
DONNELLY, R. P., *see* Tatnall, A. R. L.
DOVER, F. J., *see* Cloutis, E. A.
DOWDESWELL, J. A., GORMAN, M. R., MACHERET, Y. Y., GLAZOVSKY, A. F. and MOSKALEVSKY, M. Y.: High resolution imagery from the Russian KATE-200 satellite camera: morphology and dynamics of ice masses in the European high Arctic, 3343
D'SOUZA, G., *see* Conway, J.
DU, L. and LEE, J. S.: Fuzzy classification of earth terrain covers using complex polarimetric SAR data, 809
DUAN, L., *see* Ustin, S. L.
DUBAYAH, R., *see* Hansen, M.
DUBOIS, J-M. M., *see* Tarussov, A.
DUCK, R. W., *see* Wewetzer, S. F. K.
DUFOUR, M., *see* Thomas, G.
DULAC, F., *see* Moulin, C.
DUNN, R., *see* Atkinson, P. M.
DURDEN, S. L., HADDAD, Z. S., MORRISSEY, L. A. and LIVINGSTON, G. P.: Classification of radar imagery over boreal regions for methane exchange studies, 1267
DWIVEDI, R. S., *see* Kumar, A. B.
DWIVEDI, R. S.: Monitoring of salt-affected soils of the Indo-Gangetic alluvial plains using principal component analysis, 1907
DYMOND, J. R., PAGE, M. J. and BROWN, L. J.: Large area vegetation mapping in the Gisborne district, New Zealand, from Landsat TM, 263

EASTMAN, J. R., *see* Anyamba, A.
ECKSTEIN, B. A. and SIMPSON, J. J.: Reply to Gordon and Evans 'Comment on "Aerosol and Rayleigh radiance contributions to Coastal Zone Colour Scanner images" by Eckstein and Simpson', 3501
EDWARDS, G., *see* Beauchemin, M.
EHLERS, M., *see* Shi, W. Z.
EHRLICH, D., *see* Lambin, E. F.
EHRLICH, D. and LAMBIN, E. F.: Broad scale land-cover classification and interannual climatic variability, 845
EHRLICH, D., *see* Malingreau, J.-P.
ELDHUSET, K.: Accurate attitude estimation using ERS-1 SAR raw data, 2827
EL-GAMILY, H. I., *see* El-Raey, M.
EL-RAEY, M., ABDEL-KADER, A. F., NASR, S. M. and EL-GAMILY, H. I.: Remote sensing and GIS for an oil spill contingency plan, Ras-Mohammed, Egypt, 2013
EL-RAEY, M. E., *see* Guirguis, S. K.

EMRAN, A., HAKDAOUI, M. and CHOROWICZ, J.: Contribution des signatures spectrales et des textures à la cartographie géologique par classification dirigée d'image du HRV-XS de SPOT en régime désertique: exemple du secteur minier de Zgounder (Anti-Atlas, Maroc), 863
ENGLISH, D. C., BANSE, K., MARTIN, D. L. and PERRY, M. J.: Electronic overshoot and other bias in the CZCS Global Data Set: comparison with ground truth from the subarctic Pacific, 3157
EROL, H. and AKDENIZ, F.: A multispectral classification algorithm for classifying parcels in an agricultural region, 3357
ESPOSITO, S., *see* Alberti, G.
ESTES, J. E., *see* Frohn, R. C.
ETCHETO, J., *see* Boutin, J.
EVA, H., *see* Conway, J.
EVANS, M., *see* Dale, P. E. R.
EXPOSITO, F. J., *see* Arbelo, M.
EZRATY, R., *see* Chen, G.

FABRIKANT, A., *see* Glazman, R. E.
FAIVRE, R., *see* Champion, I.
FALKINGHAM, J. C., *see* Shokr, M. E.
FAZAKAS, Z. and NILSSON, M.: Volume and forest cover estimation over southern Sweden using AVHRR data calibrated with TM data, 1701
FEIND, R. E., *see* Isakov, V. Y.
FERENCZ, C., *see* Hamar, D.
FERENCZ-ÁRKOS, I., *see* Hamar, D.
FERNÁNDEZ, A., *see* Illera, P.
FERRARI, M. C., SGAVETTI, M. and CHIARI, R.: Multi-spectral facies in prevalent carbonate strata of an area of Migiurtinia (northern Somalia): analysis and interpretation, 111
FERRI, F., *see* Ricotta, C.
FERRIER, G.: Enhanced estimation of apparent surface reflectance, 2881
FERRIER, G. and ANDERSON, J. M.: The application of remote sensing data in the study of effluent dispersal in the Tay estuary, Scotland, 3541
FERRIER, G., *see* Bryant, R.
FERRIER, G., DAVIES, P. A. and ANDERSON, J. M.: Cover. Remote sensing observations of a vortex street downstream of an obstacle in an estuarine flow, 1
FERRIER, G. and WADGE, G.: The application of imaging spectrometry data to mapping alteration zones associated with gold mineralization in southern Spain, 331
FILELLA, I., *see* Peñuelas, J.
FLASSE, S. P. and CECCATO, P.: A contextual algorithm for AVHRR fire detection, 419
FOLLY, A., BRONSVELD, M. C. and CLAVAUX, M.: A knowledge-based approach for C-factor mapping in Spain using Landsat TM and GIS, 2401
FONSECA, L. E. N., *see* Miranda, F. P.
FONTANARI, J., *see* Zagolski, F.
FOODY, G. M.: Approaches for the production and evaluation of fuzzy land cover classifications from remotely-sensed data, 1317
FOODY, G. M., *see* Boyd, D. S.
FOODY, G. M., BOYD, D. S. and CURRAN, P. J.: Relations between tropical forest biophysical properties and data acquired in AVHRR channels 1–5, 1341
FOODY, G. M. and HILL, R. A.: Classification of tropical forest classes from Landsat TM data, 2353
FORSTER, B., *see* Dong, Y.
FRANCIS, P. W., *see* Denniss, A. M.
FRANKLIN, J., *see* Shandley, J.
FRENCH, N. H. F., KASISCHKE, E. S., BOURGEAU-CHAVEZ, L. L. and HARRELL, P. A.: Sensitivity of ERS-1 SAR to variations in soil water in fire-disturbed boreal forest ecosystems, 3037
FRISON, P. L. and MOUGIN, E.: Monitoring global vegetation dynamics with ERS-1 wind scatterometer data, 3201

FROHN, R. C., MCGWIRE, K. C., DALE, V. H. and ESTES, J. E.: Using satellite remote sensing analysis to evaluate a socio-economic and ecological model of deforestation in Rondônia, Brazil, 3233
FUKUHARA, M., *see* Okamoto, K.
FULLER, R. M., *see* Groom, G. B.

GADE, M., *see* Hühnerfuss, H.
GALLO, K. P. and TARPLEY, J. D.: Interfacing remote sensing and GIS methods for sustainable rural development, 3071
GANGADHARA RAO, L. V., *see* Subrahmanyam, B.
GARCÍA-HARO, F. J., GILABERT, M. A. and MELIÁ, J.: Linear spectral mixture modelling to estimate vegetation amount from optical spectral data, 3373
GASTELLU-ETCHEGORRY, J. P., *see* Zagolski, F.
GENS, R. and VAN GENDEREN, J. L.: Review Article. SAR interferometry—issues, techniques, applications, 1803
GENTILI, B., *see* Babin, M.
GHOSH, T. K., *see* Tripathy, G. K.
GILABERT, M. A., *see* García-Haro, F. J.
GILVEAR, D., *see* Bryant, R.
GIORDANO, G., *see* Zagolski, F.
GIRI, C. and SHRESTHA, S.: Land cover mapping and monitoring from NOAA AVHRR data in Bangladesh, 2749
GIVRI, J. R.: Cover. Determination of space imagery contrast by a multi-spectral optimized method with AVHRR, 425
GLAZMAN, R. E., FABRIKANT, A. and GREYSUKH, A.: Statistics of spatial-temporal variations of sea surface height based on Topex altimeter measurements, 2647
GLAZOVSKY, A. F., *see* Dowdeswell, J. A.
GOGINENI, S. P., *see* Lytle, V. I.
GONZALEZ-ALONSO, F., CASANOVA, J. L., CALLE, A., CUEVAS, J. M. and ILLERA, P.: Cover. Application of the NOAA-AVHRR images to the study of the large forest fires in Spain in the summer of 1994, 1089
GORMAN, M. R., *see* Dowdeswell, J. A.
GORYL, P., *see* Bizzi, S.
GOWARD, S. N., *see* Prince, S. D.
GRANBERG, H., *see* Leblon, B.
GREYSUKH, A., *see* Glazman, R. E.
GROOM, G. B., FULLER, R. M. and JONES, A. R.: Contextual correction: techniques for improving land cover mapping from remotely sensed images, 69
GUIRGUIS, S. K., HASSAN, H. M., EL-RAEY, M. E. and HUSSAIN, M. M. A.: Technical Note. Multi-temporal change of Lake Brullus, Egypt, from 1983 to 1991, 2915
GUNERIUSSEN, T., JOHNSEN, H. and SAND, K.: DEM corrected ERS-1 SAR data for snow monitoring, 181
GUPTA, V. and RICH, D.: Locating the detonation point of China's first nuclear explosive test on 16 October 1964, 1969
GUTMAN, G. and IGNATOV, A.: The relative merit of cloud/clear identification in the NOAA/NASA Pathfinder AVHRR Land 10-day composites, 3295
GUYON, D., *see* Jolly, A.

HADDAD, Z. S., *see* Durden, S. L.
HAKDAOUI, M., *see* Emran, A.
HALL, F. G., PEDDLE, D. R. and LEDREW, E. F.: Remote sensing of biophysical variables in boreal forest stands of *Picea mariana*, 3077
HAMAR, D., FERENCZ, C., LICHTENBERGER, J., TARCSAI, G. and FERENCZ-ÁRKOS, I.: Yield estimation for corn and wheat in the Hungarian Great Plain using Landsat MSS data, 1689
HAMMOND, T. O. and VERBYLA, D. L.: Optimistic bias in classification accuracy assessment, 1261

HAN, L. and RUNDQUIST, D. C.: Spectral characterization of suspended sediments generated from two texture classes of clay soil, 643
HANOCQ, J. F., *see* Cierniewski, J.
HANSEN, M., DUBAYAH, R. and DEFRIES, R.: Classification trees: an alternative to traditional land cover classifiers, 1075
HARKER, G. E. L., *see* Bowers, D. G.
HARRELL, P. A., *see* French, N. H. F.
HARRIS, A. J. L., *see* Denniss, A. M.
HARRISON, A. R., *see* Atkinson, P. M.
HART, Q. J., *see* Ustin, S. L.
HASSAN, H. M., *see* Guirguis, S. K.
HAYES, L. W. B., *see* Anthis, A. I.
HAYES, M. J. and DECKER, W. L.: Using NOAA AVHRR data to estimate maize production in the United States Corn Belt, 3189
HE, D.-C., *see* Wang, D.
HENG, A. W.-C., LIM, H., LIEW, S. C. and TAN, B. T. G.: Precision focusing algorithms for spaceborne Synthetic Aperture Radar (SAR), 629
HERRERA, F., *see* Arbelo, M.
HERRERO, J., *see* Barbosa, P. M.
HEWSON, R. D., *see* Taylor, G. R.
HILL, R. A., *see* Foody, G. M.
HINO, M., *see* Kaneko, D.
HINTON, J. C., *see* Cooper, A. P. R.
HOBBS, S. E., *see* Thomas, G.
HOCKEY, B., *see* White, K.
HONZAK, M., *see* Boyd, D. S.
HOSSEINMOSTAFA, A. R., *see* Lytle, V. I.
HUETE, A. R., *see* Bannari, A.
HÜHNERFUSS, H., ALPERS, W., DANNHAUER, H., GADE, M., LANGE, P. A., NEUMANN, V. and WISMANN, V.: Natural and man-made sea slicks in the North Sea investigated by a helicopter-borne 5-frequency radar scatterometer, 1567
HURTADO, E., VIDAL, A. and CASELLES, V.: Comparison of two atmospheric correction methods for Landsat TM thermal band, 237
HUSSAIN, M. M. A., *see* Guirguis, S. K.
HUSSEIN, H. A., RABIE, S. I. and ABDEL NABIE, S. H.: Structural interpretation of aeromagnetic data, Gabal Zubeir area, North Eastern Desert, Egypt, 1997
HUTCHISON, K. D. and CHOE, N. J.: Application of 1·38 μm imagery for thin cirrus detection in daytime imagery collected over land surfaces, 3325
HYPPÄNEN, H.: Spatial autocorrelation and optimal spatial resolution of optical remote sensing data in boreal forest environment, 3441

ICHOKU, C., KARNIELI, A., MEISELS, A. and CHOROWICZ, J.: Detection of drainage channel networks on digital satellite images, 1659
IGNATOV, A., *see* Gutman, G.
ILANTHIRAYAN, S., *see* Mathur, A. K.
ILLERA, P., DELGADO, J. A. and CALLE, A.: A navigation algorithm for satellite images, 577
ILLERA, P., FERNÁNDEZ, A. and DELGADO, J. A.: Temporal evolution of the NDVI as an indicator of forest fire danger, 1093
ILLERA, P., *see* Gonzalez-Alonso, F.
IMBERNON, J., *see* Ouaidrari, H.
ISAKOV, V. Y., FEIND, R. E., VASILYEV, O. B. and WELCH, R. M.: Retrieval of aerosol spectral optical thickness from AVIRIS data, 2165
ISHIDA, T. and PRICE, J. C.: A procedure to infer complex refractive index and mean particle radius of soils from visible and near-infrared reflectance data, 2145

JACKSON, T. J., *see* O'Neill, P. E.
JACOVIDES, C. P., *see* Varotsos, C. A.

JACQUEMOUD, S., *see* Cierniewski, J.
JAGGARD, J. W., *see* Xu, H.
JAGGARD, K., *see* Price, J. C.
JAIN, A. K., *see* Das, J. D.
JAKUBAUSKAS, M. E.: Canonical correlation analysis of coniferous forest spectral and biotic relations, 2323
JARNOT, R. F., *see* Lau, C. L.
JARWAL, S. D., *see* Dadhwal, V. K.
JAYARAMAN, V., *see* Krishnamurthy, J.
JEROME, J. H., BUKATA, R. P. and MILLER, J. R.: Remote sensing reflectance and its relationship to optical properties of natural waters, 3135
JEZEK, K. C., *see* Lytle, V. I.
JOFFRE, R., *see* Zagolski, F.
JOHNSEN, H., *see* Guneriussen, T.
JOHNSON, L. F. and BILLOW, C. R.: Spectrometric estimation of total nitrogen concentration in Douglas-fir foliage, 489
JOLLY, A., GUYON, D. and RIOM, J.: Utilisation des données du moyen infrarouge de Landsat Thematic Mapper pour la mise en évidence des coupes rases sur le Massif Forestier Landais, 3615
JONES, A. R., *see* Groom, G. B.
JONNA, S., *see* Murthy, C. S.
JØRGENSEN, A. F. and NØHR, H.: The use of satellite images for mapping of landscape and biological diversity in the Sahel, 91
JOSHI, D. C., *see* Kalra, N. K.
JOSHI, P. C. and RAMESH, V. K.: Technical Note. Infrared remote sensing of total ozone content around the Indian region, 393
JUSOFF, K. and HASSAN, H. MD.: Forest recreation planning in Langkawi Island, Malaysia, using Landsat TM, 3599
JUYAL, N., *see* Kimothi, M. M.

KAGAN, L., *see* Shemer, L.
KALRA, N. K. and JOSHI, D. C.: Potentiality of Landsat, SPOT and IRS satellite imagery, for recognition of salt affected soils in Indian Arid Zone, 3001
KALTSOUNIDIS, N. A., *see* Varotsos, C. A.
KAMESWARA RAO, S. V. C., *see* Kushwaha, S. P. S.
KANEKO, D. and HINO, M.: Proposal and investigation of a method for estimating surface energy balance in regional forests using TM derived vegetation index and observatory routine data, 1129
KARNIELI, A., *see* Ichoku, C.
KARNIELI, A. and SARAFIS, V.: Reflectance spectrophotometry of cyanobacteria within soil crusts—a diagnostic tool, 1609
KARNIELI, A., *see* Tsoar, H.
KASISCHKE, E. S., *see* French, N. H. F.
KERDILES, H. and DIAZ, R.: Mapping of the volcanic ashes from the 1991 Hudson eruption using NOAA-AVHRR data, 1981
KERR, Y. H., *see* Leprieur, C.
KESS, B. L., STEINWAND, D. R. and REICHENBACH, S. E.: Compression of the Global Land 1-km AVHRR dataset, 2955
KHERA, A. P., *see* Dadhwal, V. K.
KHODJA, A. and MENGUE, A.: Amélioration de l'apport thématique d'une image SPOT XS par les processus spatiaux et une méthode de segmentation: application à la région de Lagdo (Nord-Cameroun), 879
KIEREIN-YOUNG, K. S., *see* Taylor, G. R.
KIMOTHI, M. M. and JUYAL, N.: Environmental impact assessment of a few selected watersheds of the Chamoli district (Central Himalaya) using remotely sensed data, 1391
KIRKPATRICK, J. B., *see* Nunez, M.
KITAMURA, T., *see* Dimyati, M.

KOBAYASHI, S., *see* Dimyati, M.
KOGAN, F. N., *see* Liu, W. T.
KONDA, M., *see* Yokoyama, R.
KONTOES, C. C. and ROKOS, D.: The integration of spatial context information in an experimental knowledge-based system and the supervised relaxation algorithm—two successful approaches to improving SPOT-XS classification, 3093
KRABILL, W. B., *see* Vaughn, C. R.
KRISHNA, A. P.: Cover. Satellite remote sensing applications for snow cover characterization in the morphogenetic regions of upper Tista river basin, Sikkim Himalaya, 651
KRISHNAMURTHY, J. and SRINIVAS, G.: Demarcation of geological and geomorphological features of parts of Dharwar Craton, Karnataka, using IRS LISS-II data, 3271
KRISHNAMURTHY, J., VENKATESA KUMAR, N., JAYARAMAN, V. and MANIVEL, M.: An approach to demarcate ground water potential zones through remote sensing and a geographical information system, 1867
KRUSE, F. A.: Identification and mapping of minerals in drill core using hyperspectral image analysis of infrared reflectance spectra, 1623
KRUSE, F. A., *see* Ben-Dor, E.
KRUSE, F. A., *see* Taylor, G. R.
KUMAR, A. B., DWIVEDI, R. S. and TIWARI, K. N.: The effects of image scale on delineation of eroded lands using remote sensing data, 2135
KUSHWAHA, S. P. S., SUBRAMANIAN, S. K., CH. CHENNAIAH, G., MURTHY, J. R., KAMESWARA RAO, S. V. C., PERUMAL, A. and BEHERA, G.: Interfacing remote sensing and GIS methods for sustainable rural development, 3055
KWANG E. KIM: Adaptive majority filtering for contextual classification of remote sensing data, 1083

LAGOUARDE, J.-P., *see* Courault, D.
LAKSHMANA RAO, K. M.: Regional network planning and the development of rural transportation using remote sensing techniques, 3453
LAMBERT, C. E., *see* Moulin, C.
LAMBIN, E. F., *see* Ehrlich, D.
LAMBIN, E. F. and EHRLICH, D.: The surface temperature–vegetation index space for land cover and land-cover change analysis, 463
LAMBIN, E. F., *see* Malingreau, J.-P.
LANEVE, G., *see* Borzelli, G.
LANGE, P. A., *see* Hühnerfuss, H.
LARK, R. M.: Geostatistical description of texture on an aerial photograph for discriminating classes of land cover, 2115
LAU, C. L., PECKHAM, G. E., SUTTIE, R. A. and JARNOT, R. F.: Characterization of MLS $1/f$ noise parameters., 3751
LAWRENCE, R. L. and RIPPLE, W. J.: Determining patch perimeters in raster image processing and geographic information systems, 1255
LEBLON, B., GRANBERG, H. and CHARLAND, S.-D.: Shadowing effects on SPOT-HRV and high spectral resolution reflectances in Christmas tree plantations, 277
LEDREW, E. F., *see* Hall, F. G.
LEE, J. S., *see* Du, L.
LE HEGARAT-MASCLE, S., VIDAL-MADJAR, D. and OLIVIER, P.: Applications of simulated annealing to SAR image clustering and classification problems, 1761
LEONARD, C. L. and MCCLAIN, C. R.: Assessment of interannual variation (1979–1986) in pigment concentrations in the tropical Pacific using the CZCS, 721
LEPRIEUR, C., KERR, Y. H. and PICHON, J. M.: Critical assessment of vegetation indices from AVHRR in a semi-arid environment, 2549
LEWIS, JR, W. M., *see* Arenz, Jr, R. F.
LEYMARIE, P., *see* Mathieu-Marni, S.
LI, X.: Technical Note. A method to improve classification with shape information, 1473
LI, Z.-L., *see* Sobrino, J. A.

LIANG, S. and TOWNSHEND, J. R. G.: A parametric soil BRDF model: a four stream approximation for multiple scattering, 1303
LICHTENBERGER, J., *see* Hamar, D.
LIEW, S. C., *see* Heng, A. W.-C.
LIM, H., *see* Heng, A. W.-C.
LIN, C. S.: Ocean surface profiling lidar, 2667
LIU, C. H., CHEN, A. J. and LIU, G. R.: An image-based retrieval algorithm of aerosol characteristics and surface reflectance for satellite images, 3477
LIU, G. R., *see* Liu, C. H.
LIU JIAN GUO and MOORE, J. MCM.: Direct decorrelation stretch technique for RGB colour composition, 1005
LIU, W. T. and KOGAN, F. N.: Monitoring regional drought using the Vegetation Condition Index, 2761
LIVINGSTON, G. P., *see* Durden, S. L.
LOBO, A., CHIC, O. and CASTERAD, A.: Classification of Mediterranean crops with multisensor data: per-pixel *versus* per-object statistics and image segmentation, 2385
LORD, J., OLIVER, G. J. H. and SOULSBY, J. A.: Landsat MSS imagery of a Lower Cretaceous regional dyke swarm, Damaraland, Namibia: a precursor to the splitting of Western Gondwana, 2945
LUCAS, R. M., *see* Boyd, D. S.
LUNA-GONZÁLEZ, L., *see* Palacio-Prieto, J. L.
LYTLE, V. I., JEZEK, K. C., GOGINENI, S. P. and HOSSEINMOSTAFA, A. R.: Field observations of microwave backscatter from Weddell Sea ice, 167

MCCLAIN, C. R., *see* Leonard, C. L.
MCDONALD, P., *see* Bryant, R.
MCFEETERS, S. K.: The use of the Normalized Difference Water Index (NDWI) in the delineation of open water features, 1425
MCGWIRE, K. C., *see* Frohn, R. C.
MACHERET, Y. Y., *see* Dowdeswell, J. A.
MACKLIN, J. T., *see* Willis, C. J.
MAH, A. H., *see* Taylor, G. R.
MAJOR, D. J., *see* Cloutis, E. A.
MALINGREAU, J.-P., EHRLICH, D. and LAMBIN, E. F.: Cover. Are there detectable discrete boundaries between African biomes?, 841
MANIVEL, M., *see* Krishnamurthy, J.
MANSLEY, J. A. D., *see* Bamber, J. L.
MARACCHI, G., *see* Maselli, F.
MARITORENA, S.: Remote sensing of the water attenuation in coral reefs: a case study in French Polynesia, 155
MARTIN, D. L., *see* English, D. C.
MARTY, G., *see* Zagolski, F.
MASCARENHAS, N. D. A., BANON, G. J. F. and CANDEIAS, A. L. B.: Multispectral image data fusion under a Bayesian approach, 1457
MASELLI, F., PETKOV, L., MARACCHI, G. and CONESE, C.: Eco-climatic classification of Tuscany through NOAA-AVHRR data, 2369
MASELLI, F., RODOLFI, A., BOTTAI, L. and CONESE, C.: Evaluation of forest fire risk by the analysis of environmental data and TM images, 1417
MASELLI, F., RODOLFI, A. and CONESE, C.: Fuzzy classification of spatially degraded Thematic Mapper data for the estimation of sub-pixel components, 537
MATHIEU-MARNI, S., LEYMARIE, P. and BERTHOD, M.: Removing ambiguities in a multi-spectral image classification, 1493
MATHIEU-MARNI, S., MOISAN, S. and VINCENT, R.: A knowledge-based system for the computation of land cover mixing and the classification of multi-spectral satellite imagery, 1483
MATHUR, A. K., ILANTHIRAYAN, S. and AGARWAL, V. K.: Instantaneous near-surface level humidity from ERS-1/ATSR observations: a case study in the Indian Ocean, 771

MATTIKALLI, N. M., DEVEREUX, B. J. and RICHARDS, K. S.: Prediction of river discharge and surface water quality using an integrated geographical information system approach, 683
MÄTZLER, C., *see* Wigneron, J.-P.
MAUSER, W., *see* Schneider, K.
MD. HASSAN, H., *see* Jusoff, K.
MEADOWS, P. J., *see* Scoon, A.
MEDHAVY, T. T., *see* Dadhwal, V. K.
MEISELS, A., *see* Ichoku, C.
MELIÁ, J., *see* García-Haro, F. J.
MENENTI, M., *see* Ritchie, J. C.
MENENTI, M., *see* Verhoef, W.
MENGUE, A., *see* Khodja, A.
MEYER, D. J.: Estimating the effective spatial resolution of an AVHRR time series, 2971
MIKKOLA, K.: A remote sensing analysis of vegetation damage around metal smelters in the Kola Peninsula, Russia, 3675
MILLER, J. R., *see* Jerome, J. H.
MIRANDA, F. P., FONSECA, L. E. N., CARR, J. R. and TARANIK, J. V.: Analysis of JERS-1 (Fuyo-1) SAR data for vegetation discrimination in northwestern Brazil using the semi-variogram textural classifier (STC), 3523
MITCHELSON-JACOB, E. G.: Variations in the Odden, Greenland Sea—an interpretation of Special Sensor Microwave/Imager ice concentration data, 1019
MIZUNO, K., *see* Dimyati, M.
MOISAN, S., *see* Mathieu-Marni, S.
MONTI GUARNIERI, A., *see* Rocca, F.
MOORE, J. MCM., *see* Liu Jian Guo
MOREL, A., *see* Babin, M.
MORIN, D., *see* Bannari, A.
MORIN, D., *see* Wang, D.
MORRISSEY, L. A., *see* Durden, S. L.
MOSKALEVSKY, M. Y., *see* Dowdeswell, J. A.
MOSTAFA, M. E. and ZAKIR, F. A.: New enhancement techniques for azimuthal analysis of lineaments for detecting tectonic trends in and around the Afro-Arabian Shield, 2923
MOUCHOT, M. C., *see* Col, B.
MOUGIN, E., *see* Frison, P. L.
MOUGIN, E., *see* Zagolski, F.
MOULIN, C., LAMBERT, C. E., POITOU, J. and DULAC, F.: Long term (1983–1994) calibration of the Meteosat solar (VIS) channel using desert and ocean targets, 1183
MUINONEN, E., *see* Tokola, T.
MULLER, J.-P., *see* Shin, D.
MURTHY, C. S., THIRUVENGADACHARI, S., RAJU, P. V. and JONNA, S.: Improved ground sampling and crop yield estimation using satellite data, 945
MURTY, V. S. N., *see* Subrahmanyam, B.

NAGARAJA RAO, C. R. and CHEN, J.: Post-launch calibration of the visible and near-infrared channels of the Advanced Very High Resolution Radiometer on the NOAA-14 spacecraft, 2743
NASR, S. M., *see* El-Raey, M.
NELSON, N. B.: The wake of Hurricane Felix, 2893
NEUMANN, V., *see* Hühnerfuss, H.
NICOLAS, H., *see* Courault, D.
NILSSON, C., *see* Nunez, M.
NILSSON, M., *see* Fazakas, Z.
NØHR, H., *see* Jørgensen, A. F.
NOLTE, C., *see* Thenkabail, P. S.
NOVOTNY, E.: Interpretation of simulated radar-altimetric waveforms: surfaces of constant elevation (sea-ice or flat land), 2803

NUNEZ, M., KIRKPATRICK, J. B. and NILSSON, C.: Rainfall estimation in south-west Tasmania using satellite images and phytosociological calibration, 1583

OKAMOTO, K. and FUKUHARA, M.: Estimation of paddy field area using the area ratio of categories in each mixel of Landsat TM, 1735
OLIVER, G. J. H., *see* Lord, J.
OLIVIER, P., *see* Le Hegarat-Mascle, S.
O'NEAL, M.: Interactions between land cover and convective cloud cover over Midwestern North America detected from GOES satellite data, 1149
O'NEILL, P. E., CHAUHAN, N. S. and JACKSON, T. J.: Use of active and passive microwave remote sensing for soil moisture estimation through corn, 1851
OTTERMAN, J.: Desert-scrub as the cause of reduced reflectances in protected versus impacted sandy arid areas, 615
OUAIDRARI, H., BÉGUÉ, A., IMBERNON, J. and D'HERBES, J. M.: Extraction of the pure spectral response of the landscape components in NOAA-AVHRR mixed pixels—application to the HAPEX-Sahel degree square, 2259

PAGE, M. J., *see* Dymond, J. R.
PALACIO-PRIETO, J. L. and LUNA-GONZÁLEZ, L.: Improving spectral results in a GIS context, 2201
PARIHAR, J. S., *see* Dadhwal, V. K.
PARTINEN, S., *see* Tokola, T.
PARTINGTON, K. C., *see* Willis, C. J.
PECKHAM, G. E., *see* Lau, C. L.
PEDDLE, D. R., *see* Hall, F. G.
PEÑUELAS, J., FILELLA, I., SERRANO, L. and SAVÉ, R.: Cell wall elasticity and Water Index (R970 nm/R900 nm) in wheat under different nitrogen availabilities, 373
PEREIRA JR, A. C. and SETZER, A. W.: Comparison of fire detection in savannas using AVHRR's channel 3 and TM images, 1925
PERRY, M. J., *see* English, D. C.
PERUMAL, A., *see* Kushwaha, S. P. S.
PETKOV, L., *see* Maselli, F.
PETTERSSON, M. I., ASKNE, J. and CAVALIERI, D. J.: SAR observations of Arctic freeze-up compared to SSM/I during ARCTIC'91, 2603
PHILIP, G.: Landsat Thematic Mapper data analysis for Quaternary tectonics in parts of the Doon valley, NW Himalaya, India, 143
PICHON, J. M., *see* Leprieur, C.
PINAR, A. and CURRAN, P. J.: Technical Note. Grass chlorophyll and the reflectance red edge, 351
PINEL, V., *see* Zagolski, F.
PITKÄNEN, J., *see* Tokola, T.
POITOU, J., *see* Moulin, C.
POLLARD, J. K., *see* Shin, D.
PONTE, S., *see* Alberti, G.
PORWAL, M. C., ROY, P. S. and CHELLAMUTHU, V.: Wildlife habitat analysis for 'sambar' (*Cervus unicolor*) in Kanha National Park using remote sensing, 2683
PRAKASH, W. J., *see* Bhandari, S. M.
PRATI, C., *see* Rocca, F.
PRICE, J. C., *see* Ishida, T.
PRICE, J. C., STEVEN, M., ANDRIEU, B. and JAGGARD, K.: Visible near-infrared radiation parameters for sugar-beets, 3411
PRINCE, S. D. and GOWARD, S. N.: Evaluation of the NOAA/NASA Pathfinder AVHRR Land Data Set for global primary production modelling, 217
PUGLISI, C., *see* Alparone, L.

Qari, M. Y. H. T., *see* Al Saifi, M. M.
Qi, Z.: Extraction of spectral reflectance images from multi-spectral images by the HIS transformation model, 3467

Rabie, S. I., *see* Hussein, H. A.
Rabine, D., *see* Vaughn, C. R.
Raha, A. K., *see* Sudhakar, S.
Rahman, H.: Atmospheric optical depth and water vapour effects on the angular characteristics of surface reflectance in NOAA AVHRR, 2981
Raju, P. V., *see* Murthy, C. S.
Rama Krishna, N., *see* Adinarayana, J.
Ramana Murthy, J., *see* Kushwaha, S. P. S.
Ramesh Babu, V., *see* Subrahmanyam, B.
Ramesh, V. K., *see* Joshi, P. C.
Ramos, A. G., Santiago, J., Sangra, P. and Canton, M.: An application of satellite-derived sea surface temperature data to the skipjack *(Katsuwonus pelamis* Linnaeus, 1758) and albacore tuna *(Thunnus alalunga* Bonaterre, 1788) fisheries in the north-east Atlantic, 749
Ramsay, B., *see* Shokr, M. E.
Reddy, K. M., *see* Anji Reddy, M.
Rees, W. G., *see* Willis, C. J.
Reichenbach, S. E., *see* Kess, B. L.
Retalis, A., *see* Cartalis, C.
Rich, D., *see* Gupta, V.
Richards, K. S., *see* Mattikalli, N. M.
Richter, R.: A spatially adaptive fast atmospheric correction algorithm, 1201
Ricotta, C., Avena, G. C. and Ferri, F.: Analysis of human impact on a forested landscape of central Italy with a simplified NDVI texture descriptor, 2869
Riom, J., *see* Jolly, A.
Ripple, W. J., *see* Lawrence, R. L.
Ritchie, J. C., Menenti, M. and Weltz, M. A.: Measurements of land surface features using an airborne laser altimeter: the HAPEX- Sahel experiment, 3705
Robinson, I. S., *see* Scoon, A.
Robinson, T. P.: Spatial and temporal accuracy of coarse resolution products of NOAA-AVHRR NDVI data, 2303
Rocca, F., Prati, C. and Monti Guarnieri, A.: Cover. ERS-1 SAR interferogram of Mount Vesuvio (Italy), 2477
Rockwell, T., *see* Sturm, R.
Rodolfi, A., *see* Maselli, F.
Roger, R. E. and Arnold, J. F.: Reliably estimating the noise in AVIRIS hyperspectral images, 1951
Roger, R. E.: Principal Components transform with simple, automatic noise adjustment, 2719
Roger, R. E.: Sparse inverse covariance matrices and efficient maximum likelihood classification of hyperspectral data, 589
Rohn, M., *see* Bannehr, L.
Rokos, D., *see* Kontoes, C. C.
Romier, J., *see* Zagolski, F.
Rosenqvist Å.: Evaluation of JERS-1, ERS-1 and Almaz SAR backscatter for rubber and oil palm stands in West Malaysia, 3219
Rothery, D. A., *see* Denniss, A. M.
Roy, J., *see* Chatterjee, R. S.
Roy, P. S., *see* Porwal, M. C.
Ruhal, D. S., *see* Dadhwal, V. K.
Rundquist, D. C., *see* Han, L.

SAND, K., *see* Guneriussen, T.
SANGRA, P., *see* Ramos, A. G.
SAN MIGUEL-AYANZ, J.: Synergy of optical and polarimetric microwave data for forest resource assessment, 3647
SAN MIGUEL-AYANZ, J. and BIGING, G. S.: An iterative classification approach for mapping natural resources from satellite imagery, 957
SANTIAGO, J., *see* Ramos, A. G.
SARADJIAN, M. R., *see* Cracknell, A. P.
SARAF, A. K., *see* Das, J. D.
SARAF, A. K., DAS, J. D., AGARWAL, B. and SUNDARAM, R. M.: Technical Note. False topography perception phenomena and its correction, 3725
SARAFIS, V., *see* Karnieli, A.
SAUNDERS III, J. F., *see* Arenz, Jr, R. F.
SAVÉ, R., *see* Peñuelas, J.
SCHEER, G., *see* Ustin, S. L.
SCHNEIDER, K. and MAUSER, W.: Processing and accuracy of Landsat Thematic Mapper data for lake surface temperature measurement, 2027
SCOON, A., ROBINSON, I. S. and MEADOWS, P. J.: Demonstration of an improved calibration scheme for ERS-1 SAR imagery using a scatterometer wind model, 413
SENGUPTA, S., *see* Sudhakar, S.
SERRANO, L., *see* Peñuelas, J.
SETZER, A. W., *see* Pereira Jr, A. C.
SGAVETTI, M., *see* Ferrari, M. C.
SHAH, S. D., *see* Tripathy, G. K.
SHANDLEY, J., FRANKLIN, J. and WHITE, T.: Testing the Woodcock–Harward image segmentation algorithm in an area of southern California chaparral and woodland vegetation, 983
SHARMA, P. K., CHOPRA, RAJIV, VERMA, V. K. and THOMAS, A.: Technical Note. Flood management using remote sensing technology: the Punjab (India) experience, 3511
SHARMA, R. and ALI, M. M.: Variation of mixed layer depth obtained from Geosat altimeter observations in the equatorial Indian Ocean, 1539
SHEMER, L., KAGAN, L. and ZILMAN, G.: Simulation of ship wakes image by an along-track interferometric SAR, 3577
SHI, W. Z. and EHLERS, M.: Determining uncertainties and their propagation in dynamic change detection based on classified remotely-sensed images, 2729
SHIN, D., POLLARD, J. K. and MULLER, J.-P.: Cloud detection from thermal infrared images using a segmentation technique, 2845
SHOKR, M. E., RAMSAY, B. and FALKINGHAM, J. C.: Operational use of ERS-1 SAR images in the Canadian ice monitoring programme, 667
SHRESTHA, S., *see* Giri, C.
SIEFRIDT, L., *see* Boutin, J.
SIMPSON, J. J., *see* Eckstein, B. A.
SINGH, A. N., *see* Singh, V. P.
SINGH, V. P. and SINGH, A. N.: A remote sensing and GIS-based methodology for the delineation and characterization of rainfed rice environments, 1377
SKOLE, D. L., *see* Alves, D. S.
SMITH, D. M.: Extraction of winter total sea-ice concentration in the Greenland and Barents Seas from SSM/I data, 2625
SMITH, D. M.: Speckle reduction and segmentation of Synthetic Aperture Radar images, 2043
SMITH, G. M. and CURRAN, P. J.: The signal-to-noise ratio (SNR) required for the estimation of foliar biochemical concentrations, 1031
SOBRINO, J. A., LI, Z.-L., STOLL, M. P. and BECKER, F.: Multi-channel and multi-angle algorithms for estimating sea and land surface temperature with ATSR data, 2089
SØLVSTEEN, C.: Mislocations in ERS-1 SAR geocoded images, 3313
SOULSBY, J. A., *see* Lord, J.
SRINIVAS, G., *see* Krishnamurthy, J.
STEININGER, M. K.: Tropical secondary forest regrowth in the Amazon: age, area and change estimation with Thematic Mapper data, 9

STEINWAND, D. R., *see* Kess, B. L.
STEPHAN, B., *see* Bowers, D. G.
STEVEN, M., *see* Price, J. C.
STEVEN, M. D., *see* Xu, H.
STOLL, M. P., *see* Sobrino, J. A.
STOW, D., *see* Sturm, R.
STURM, R., STOW, D. and ROCKWELL, T.: Mapping Pleistocene-age shoreline deposits in the seismically-active Salton Trough using thermal infrared multi-spectral scanner (TIMS) data, 553
SUBRAHMANYAM, B., RAMESH BABU, V., MURTY, V. S. N. and GANGADHARA RAO, L. V.: Surface circulation off Somalia and western equatorial Indian Ocean during summer monsoon of 1988 from Geosat altimeter data, 761
SUBRAMANIAN, S. K., *see* Kushwaha, S. P. S.
SUDHAKAR, S., SENGUPTA, S., VENKATA RAMANA, I., RAHA, A. K. and BARDHAN ROY, B. K.: Forest cover mapping of West Bengal with special reference to North Bengal using IRS-1B satellite LISS II data, 29
SUNDARAM, R. M., *see* Saraf, A. K.
SUN, Y.: Automatic ice motion retrieval from ERS-1 SAR images using the optical flow method, 2059
SUTTIE, R. A., *see* Lau, C. L.
SWAMY, A. N. and BRIVIO, P. A.: Hydrological modelling of snowmelt in the Italian Alps using visible and infrared remote sensing, 3169

TAIT, A. and ARMSTRONG, R.: Evaluation of SMMR satellite-derived snow depth using ground-based measurements, 657
TAN, B. T. G., *see* Heng, A. W.-C.
TARANIK, J. V., *see* Miranda, F. P.
TARCSAI, G., *see* Hamar, D.
TARPLEY, J. D., *see* Gallo, K. P.
TARUSSOV, A., DUBOIS, J-M. M. et WENZL, M.: Les systèmes légers de télédétection aéroportée pour les sciences de la Terre, 2699
TASSAN, S.: Modified Lyzenga's method for macroalgae detection in water with non-uniform composition, 1601
TATNALL, A. R. L., DONNELLY, R. P. and CHARLTON, J. E.: Microwave radiometer model simulation, 3107
TAYLOR, G. R., MAH, A. H., KRUSE, F. A., KIEREIN-YOUNG, K. S., HEWSON, R. D. and BENNETT, B. A.: The extraction of soil dielectric properties from AIRSAR data, 501
TEASDALE, I., *see* Bryant, R.
TELEKI, K. A., *see* Willis, C. J.
THENKABAIL, P. S. and NOLTE, C.: Capabilities of Landsat-5 Thematic Mapper (TM) data in regional mapping and characterization of inland valley agroecosystems in West Africa, 1505
THIRUVENGADACHARI, S., *see* Murthy, C. S.
THOMAS, A., *see* Sharma, P. K.
THOMAS, G., HOBBS, S. E. and DUFOUR, M.: Woodland area estimation by spectral mixing: applying a goodness-of-fit solution method, 291
THOMSON, J.: Cover. The 1995 Australia Prize, 2213
THOMSON, K. P. B., *see* Beauchemin, M.
TIWARI, K. N., *see* Kumar, A. B.
TOKOLA, T., PITKÄNEN, J., PARTINEN, S. and MUINONEN, E.: Point accuracy of a non-parametric method in estimation of forest characteristics with different satellite materials, 2333
TOUTIN, TH., *see* De Sève, D.
TOWNSHEND, J. R. G., *see* Liang, S.
TRIPATHY, G. K., GHOSH, T. K. and SHAH, S. D.: Monitoring of desertification process in Karnataka state of India using multi-temporal remote sensing and ancillary information using GIS, 2243
TRONIN, A. A.: Satellite thermal survey—a new tool for the study of seismoactive regions, 1439

TSOAR, H. and KARNIELI, A.: What determines the spectral reflectance of the Negev-Sinai sand dunes, 513
TYLER, A., *see* Bryant, R.

ULIVIERI, C., *see* Borzelli, G.
USTIN, S. L., HART, Q. J., DUAN, L. and SCHEER, G.: Vegetation mapping on hardwood rangelands in California, 3015

VAN DER MEER, F.: Classification of remotely-sensed imagery using an indicator kriging approach: application to the problem of calcite-dolomite mineral mapping, 1233
VAN DER MEER, F.: Metamorphic facies zonation in the Ronda peridotites: spectroscopic results from field and GER imaging spectrometer data, 1633
VAN DER MEER, F.: Performance characteristics of the indicator classifier on simulated image data, 621
VAN GENDEREN, J. L., *see* Gens, R.
VARJO, J.: Controlling continuously updated forest data by satellite remote sensing, 43
VAROTSOS, C. A., CRACKNELL, A. P., KALTSOUNIDIS, N. A. and JACOVIDES, C. P.: Technical Note. The use of TOMS data in the calculation of atmospheric turbidity parameters, 399
VASILYEV, O. B., *see* Isakov, V. Y.
VAUGHAN, R. A., *see* Anthis, A. I.
VAUGHN, C. R., BUFTON, J. L., KRABILL, W. B. and RABINE, D.: Georeferencing of airborne laser altimeter measurements, 2185
VENKATA RAMANA, I., *see* Sudhakar, S.
VENKATESA KUMAR, N., *see* Krishnamurthy, J.
VERBRUGGHE, M., *see* Cierniewski, J.
VERBYLA, D. L., *see* Hammond, T. O.
VERDIN, J. P.: Remote sensing of ephemeral water bodies in western Niger, 733
VERHOEF, W., MENENTI, M. and AZZALI, S.: Cover. A colour composite of NOAA-AVHRR-NDVI based on time series analysis (1981–1992), 231
VERMA, V. K., *see* Sharma, P. K.
VIDAL, A., *see* Hurtado, E.
VIDAL-MADJAR, D., *see* Le Hegarat-Mascle, S.
VINCENT, R., *see* Mathieu-Marni, S.

WADGE, G., *see* Ferrier, G.
WAKABAYASHI, H. and ARAI, K.: A method of speckle noise reduction for SAR data, 1837
WALKER, P. A., *see* Coops, N. C.
WALTER, C., *see* Courault, D.
WANG, D., HE, D.-C., WANG, L. and MORIN, D.: L'extraction du réseau routier urbain à partir d'images SPOT HRV, 827
WANG L. *see* Wang, D.
WARNECKE, G., *see* Bannehr, L.
WEGMÜLLER, U., *see* Wigneron, J.-P.
WELCH, R. M., *see* Isakov, V. Y.
WELTZ, M. A., *see* Ritchie, J. C.
WENZL, M., *see* Tarussov, A.
WEWETZER, S. F. K. and DUCK, R. W.: Cover. Side-scan sonograph from the middle reaches of the Tay Estuary, Scotland, 3539
WHITE, K. and HOCKEY, B.: Cover. 7 October 1995 eruption of Mt Ruapehu, New Zealand, observed by NOAA AVHRR, 1617
WHITE, T., *see* Shandley, J.
WIGNERON, J.-P., COMBAL, B., WEGMÜLLER, U. and MÄTZLER, C.: Estimation of microwave parameters of crops from radiometric measurements, 2875
WILLIAMS, R. G., *see* Willis, C. J.
WILLIS, C. J., MACKLIN, J. T., PARTINGTON, K. C., TELEKI, K. A., REES, W. G. and WILLIAMS, R. G.: Iceberg detection using ERS-1 Synthetic Aperture Radar, 1777

WINGHAM, D. J., *see* Bamber, J. L.
WISMANN, V., *see* Hühnerfuss, H.
WOOSTER, M. J.: In orbit calibration of the ATSR-1 1·6 μm channel using high resolution data from the JERS-1 (Fuyo-1) Optical Sensor, 1069

XU, H., STEVEN, M. D. and JAGGARD, K. W.: Monitoring leaf area of sugar beet using ERS-1 SAR data, 3401
XUE, Y., *see* Cracknell, A. P.

YANG, L., *see* Zhu, Z.-L.
YOKOYAMA, R. and KONDA, M.: Sea surface effects on the sea surface temperature estimation by remote sensing— Part 2, 1293

ZAGOLSKI, F., *see* Bannari, A.
ZAGOLSKI, F., PINEL, V., ROMIER, J., ALCAYDE, D., FONTANARI, J., GASTELLU-ETCHEGORRY, J. P., GIORDANO, G., MARTY, G., MOUGIN, E. and JOFFRE, R.: Forest canopy chemistry with high spectral resolution remote sensing, 1107
ZAKIR, F. A., *see* Mostafa, M. E.
ZHU, Z.-L. and YANG, L.: Characteristics of the 1 km AVHRR data set for North America, 1915
ZILMAN, G., *see* Shemer, L.